United
Urban District of Wolstanton

ANNUAL REPORT

OF THE

Medical Officer of Health,

(W. E. L. HORNER, M.D.)

FOR THE

YEAR 1909.

CHESTERTON;
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To The . . .

CHAIRMAN and COUNCILLORS

OF THE

UNITED URBAN DISTRICT OF WOLSTANTON.

Gentlemen,

I have the honour to present to you my Sixth Annual Report on the Sanitary condition of the United Urban District of Wolstanton, with the vital statistics for the year 1909.

The District is composed of the three Parishes of Wolstanton, (including part of Basford, May Bank, and Longbridge Hayes), Silverdale, (including Knutton and Cross Heath), and Chesterton, (including Red Street).

Area. The area of the District is 5,483 acres, divided as follows :—

Wolstanton	...	2,362 acres
Silverdale	...	1,764 ,,
Chesterton	...	1,357 ,,
		5,483 ,,

Population. The Population according to the census of 1891 was :—

WOLSTANTON	...	6,473
SILVERDALE	...	7,210
CHESTERTON	...	6,314
		19,997

1901 was :—

WOLSTANTON	...	8,284
SILVERDALE	...	7,820
CHESTERTON	...	6,541
		22,645

The estimated population to the middle of 1909 was :—

WOLSTANTON	...	12,073
SILVERDALE	...	9,555
CHESTERTON	...	8,197
		29,825

The Statistics in this Report are based upon that estimate.

Number of Houses. The number of inhabited houses in the district to the middle of 1909 was 5,962.

Number of persons per house ... 5.002.

These are divided as follows :—

WOLSTANTON 2763,	No. of	persons	per house	4.3
SILVERDALE 1755,	,,	,,	,,	5.4
CHESTERTON 1444,	,,	,,	,,	5.6

40 new houses have been built during the year, distributed as follows :—

WOLSTANTON	...	22
SILVERDALE	...	13
CHESTERTON	...	15
		40

Houses unfit for habitation. The 6 houses mentioned in last year's Report as being condemned are at present being put into a satisfactory condition for habitation.

This year 47 houses have been condemned as unfit for habitation. These are as follows :—

WOLSTANTON. Morris' Square 14 houses.
Barker's Square 6 houses.
1 Bungalow at May Bank.
No. 105 High Street

SILVERDALE. 7 houses in Cross Heath.

CHESTERTON. Defiance Bank 7 houses.
Lower Crackley 1 house.
Cope's Row, Red St. 10 houses.

The houses in Barker's Square are going to be demolished. Nothing has yet been done with the other houses in Wolstanton.

In Silverdale, the houses at Cross Heath have been repaired inside, but have not been touched outside.

In Chesterton the 7 houses at Defiance Bank have been put into a satisfactory sanitary condition, and also the houses in Cope's Row. Nothing has yet been done to the house in Lower Crackley.

Births.

The total number of Births registered in the District during the year was 823, including 401 boys and 422 girls, equal to an annual Birth-rate of 27.5 per thousand of the estimated population.

This is a decrease of 2.4 per thousand on the Birth-rate of last year.

These Births are distributed as follows :—

Wolstanton		Silverdale		Chesterton	
Boys	Girls	Boys	Girls	Boys	Girls
161	153	119	125	121	144
Total 314		Total 244		Total 265	

The following table gives the Birth-rates for the District since the formation of the Urban District :—

	Wolstanton	Silverdale	Chesterton	Whole District
1904	31.5	34.2	38.9	34.4
1905	30.7	34.03	35.06	32.9
1906	33.4	27.8	32.9	31.5
1907	29.5	26.5	31.8	29.2
1908	30.8	26.5	32.4	29.9
1909	26.008	25.5	32.4	27.5

41 of these Births were illegitimate.

It will be seen from the above figures, that the Birth-rate in Wolstanton is 4.79 per 1,000 lower than last year ; in Silverdale 1 per 1,000 lower ; while in Chesterton it remains the same.

The Birth-rate in England and Wales in 1909 was 25.6 per 1,000 of the population, which is 0.9 per 1,000 below the rate in 1908, and lower than the rate in any other year on record. Compared with the average in the ten years 1899-1908, the birth-rate in 1909 showed a decrease of 2.2 per 1,000.

Month	BIRTHS.					DEATHS.				
	Whole District	Rate per 1000	Wolstanton	Silverdale	Chesterton	Whole District	Rate per 1000	Wolstanton	Silverdale	Chesterton
January	68	27.2	22	30	16	37	14.8	17	12	8
February	60	24.1	22	17	21	24	9.6	7	11	6
March	69	27.7	27	20	22	44	17.6	15	20	9
April	74	28.5	30	22	22	34	13.5	16	8	10
May	58	23.2	15	13	30	23	9.2	14	2	7
June	87	35.004	34	25	28	25	10.05	8	10	7
July	79	31.6	36	23	20	19	7.6	9	5	5
August	76	30.4	27	25	24	27	10.8	11	11	5
September	68	27.2	25	19	24	27	10.8	15	7	5
October	72	28.8	31	18	23	22	8.7	5	7	10
November	61	24.4	25	19	17	42	16.8	17	18	7
December	51	20.6	20	13	18	26	10.4	10	7	9
Total ..	823	27.5	314	244	265	350	11.7	144	118	88

Deaths.

The total number of Deaths registered in the District during the year was 322. This gives an annual death-rate of 10.79 per thousand.

5 deaths occurred during the year of non-residents, at the Bradwell Sanatorium.

33 deaths of residents occurred during the year in Institutions outside the District :—

North Staffordshire Infirmary	18
Haywood Hospital, Burslem	2
Chell Workhouse ...	13

The corrected number of deaths thus becomes 350, (males 177, females 173), giving an annual death-rate of 11.7 per 1,000 of the estimated population of the district.

As will be seen from the figures given below the death-rate for the whole district is 0.6 per 1,000 lower than last year, and exactly equal to the death-rate for 1906 which is the lowest recorded since the formation of the Urban District. It will also be seen that the death-rate of each portion of the district is lower than last year.

	Whole District		Wolstanton		Silverdale		Chesterton	
Year	No of D'ths	Rate	No of D'ths	Rate	No of D'ths	Rate	No of D'ths	Rate
1904	407	16.29	139	13.75	106	13.24	162	23.6
1905	388	14.95	145	13.8	128	15.3	115	16.12
1906	315	11.7	124	11.3	90	10.4	101	13.6
1907	377	13.5	173	15.3	107	11.9	97	12.6
1908	356	12.3	151	12.9	118	12.7	87	10.9
1909	350	11.7	144	11.9	118	12.3	88	10.7

For all England and Wales, the death-rate in 1909 was 14.5 per 1,000, which was 0.2 per 1,000 below the rate in 1908, and lower than the rate in any other year on record. Compared with the average rate in the years 1899-1908, the death-rate in 1909 showed a decrease of 1.6 per 1,000.

Causes of, and Ages at Death during the Year 1909.

CAUSES OF DEATH	All ages	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards	Wolstanton	Silverdale	Chesterton	Deaths in Public Institutions.
Small-pox											
Measles	26	3	21	2				8	10	8	
Scarlet Fever											1
Whooping Cough	3	1	2					3			
Diphtheria and Membranous Croup	1		1					1			3
Enteric Fever	1					1			1		1
Epidemic Influenza ..	4					3	1	1	3		
Diarrhœa	7	5	1				1		5	2	
Enteritis	1						1		1		
Gastritis	2	2							2		
Puerperal Fever	1				1				1		
Erysipelas											
Other septic Diseases ..											
Phthisis (Pulmonary Tuberculosis)	12		1	3	3	5		9	1	2	
Other Tuberculous diseases	10		6		1	3		5	2	3	
Cancer, malignant diseases	22					12	10	10	8	4	
Bronchitis	45	17	6		1	7	14	23	17	5	
Pneumonia	23	7	6	3		5	2	6	7	10	
Pleurisy	1					1				1	
Other diseases of Respiratory organs ..	7			1	1	3	2		4	3	
Alcoholism	1					1				1	
Venereal Diseases ..	1	1							1		
Premature Birth	20	20						7	8	5	
Diseases and accidents of parturition ..	2					2		1	1		
Heart diseases	29	2	1		2	16	8	11	9	9	
Accidents	19	3	2	2	2	9	1	8	5	6	
Suicides	3					3		3			
All other causes	109	32	11	2	3	20	41	46	32	29	
All causes ..	350	93	58	13	14	91	81	144	118	88	5

Infant Mortality.

The deaths under 1 year in 1909 were 93, equal to a mortality of 113 per 1,000 registered births.

The following table shows the Infantile Mortality in the different parts of the district :—

	Whole District		Wolstanton		Silverdale		Chesterton	
Year	No of D'ths	Rate	No of D'ths	Rate	No of D'ths	Rate	No of D'ths	Rate
1904	109	126	33	103	29	105	47	138
1905	117	136	43	133	41	145	33	150
1906	95	112	35	96	27	112	33	135
1907	105	128	36	107	27	113	42	172
1908	109	126	41	111	29	117	39	151
1909	93	113	37	117	31	127	25	94

From these figures it will be seen that Chesterton, which has hitherto always had the highest Infantile Mortality in the district, is this year considerably the lowest. Although the total number of deaths in the whole district is the lowest yet recorded, the rate per 1,000 registered births is not so low as in 1906, this being due to the diminished number of births.

For all England and Wales the Infantile Mortality in 1909 was 109 per 1,000 registered births, which is 11 per 1,000 below the rate in 1908, and the lowest in any other year on record. Compared with the average in the ten years 1899-1908, the rate of Infantile Mortality in 1909 showed a decrease of 29 per 1,000.

It will thus be seen that the Infantile Mortality in this district is higher than the average for the whole of England and Wales, and not much less than the average for the 76 great towns which is 118. I would urge upon the Council the necessity for taking some means of improving this state of things, and strongly recommend the adoption of the Notification of Births Act, and the appointment of a Health Visitor.

The causes of, and ages at death, are shown on the accompanying table :—

INFANT MORTALITY DURING THE YEAR 1908.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under One Year.
All Causes — Certified	15	6	6	7	34	10	6	5	5	4	3	3	8	2	3	5	88
All Causes — Uncertified	3				3		1							1			5
Common Infectious Diseases :																	
Measles										1			1	1			3
Diptheria																	
Whooping Cough ..										1							1
Diarrhœal Diseases ;																	
Diarrhœa, all forms ..						1				2					1	1	5
Enteritis *(not Tuberculous)*																	
Gastritis, Gastro-intestinal Catarrh ..				1	1	1											2
Wasting Diseases :																	
Premature Birth ..	12	2	2	2	18	1	1										20
Congenital Defects ..				2	2												2
Injury at Birth		1			1												1
Atrophy, Debility, Marasmus ..	3	1	2	1	7	2	1	2	2								14
Tuberculous Diseases :																	
Tuberculous Meningitis ..																	
Tuberculous Peritonitis : Tabes Mesenterica																	
Other Tuberculous diseases																	
Syphilis							1										1
Meningitis *(not Tuberculous)* ..											1						1
Convulsions	2	1			3	3			1		2	1					10
Bronchitis		1			1		2	1				2	5	2	1	3	17
Pneumonia								2	1				2		1	1	7
Suffocation, overlying				1	1	2											3
Other Causes	1		2		3	1	1		1								6
	18	6	6	7	37	10	7	5	5	4	3	3	8	3	3	5	93

Deaths not certified by a Medical Practitioner.

INQUESTS were held during the year on 21 persons and the following verdicts were given :—

	Natural Causes.	Accidents.	Suicides.
WOLSTANTON		Suffocation Fall down stairs Suffocation Scalds	Cut throat Cut throat Gun-shot wound
SILVERDALE	Hæmorrhage of the heart Malnutrition Cancer Bronchitis Heart failure	Broken neck Run over by train Burns	
CHESTERTON		Accidental injury to bladder Concussion of brain Fracture of skull Suffocation Fall of roof of pit Drowning	

Besides the above, 7 Inquests were held at the North Staffordshire Infirmary, and 2 in Burslem, on persons from this district.

Uncertified Deaths.

There were 11 uncertified deaths, on which no Inquests were held, the causes and ages being as follows :—

WOLSTANTON.	Convulsions	...	1 year.
	,,	...	2 years.
	,,	Bronchitis	9 months.
	Inanition ...	...	24 hours.
	Heart failure	...	49 years.
	,, ,,	...	46 years.
SILVERDALE.	Convulsions	...	8 hours.
	,,	...	2 days.
	Found dead in bed		2 months.
	Bronchitis, Heart failure		64 years.
CHESTERTON.	Convulsions	...	10 days.

The total number of uncertified deaths was therefore 41 out of the 350 in the district, equal to 11.7 per cent.

Inquests 8.5 per cent.
Uncertified deaths 3.1 per cent.

For all England and Wales, the figures for 1909 are :—

Inquests 7.0 per cent.
Uncertified deaths 1.3 per cent.

Zymotic Death-rate.

There were 38 deaths from the seven principal Epidemic Diseases, giving a rate of 1.27 per 1,000.

	Wolstanton	Silverdale	Chesterton	TOTAL	Rate per 1000
Small-pox	—	—	—	—	—
Measles	8	10	8	26	0.87
Scarlet Fever	—	—	—	—	—
Diphtheria	1	—	—	1	0.03
Whooping Cough ..	3	—	—	3	0.1
Enteric Fever	—	1	—	1	0.03
Diarrhœa	—	5	2	7	0.23
Total ..	12	16	10	38	1.27

This is slightly higher than last year in which there were 32 deaths, giving a death-rate of 1.108.

There were however no deaths from Measles last year, and if Measles were excluded, the number of deaths this year would be 20 less than last year, and the death-rate 0.7 less.

For all England and Wales the Zymotic death-rate in 1909 was 0.8.

The diminished number of deaths from Diarrhœa is very noticeable. Compared with last year there are 14 less deaths, and the death-rate is 0.49 less.

For all England and Wales the death-rate from Diarrhœa is 0.22 less than last year.

This is mostly due to the absence of any hot weather during the summer.

Comparative Statistics of Births and Deaths.

	Annual rate per 1,000 Living.										Deaths under 1 year to 1,000 Births
	Births	Deaths	Principal Epidemic Diseases	Small-pox	Measles	Scarlet Fever	Diph-theria	Whoop-ing Cough	Enteric Fever	Diarr-hœa	
England and Wales ..	25.6	14.5	1.12	0.00	0.35	0.09	0,14	0.20	0.06	0.28	109
76 Great Towns	25.7	14.7	1.42	0.00	0.48	0.11	0.15	0.24	0.06	0.38	118
142 Smaller Towns ..	24.8	13.9	1.08	0.00	0.33	0.09	0.16	0.17	0.06	0.27	111
England and Wales less the 218 Towns	25.6	14.5	0.80	0.00	0.21	0.06	0.14	0.16	0.06	0.17	98
Wolstanton District	27.5	11.7	1.27	0.00	0.87	0.00	0.03	0.1	0.03	0.23	113

Infectious Diseases Notification Act, 1889.

89 cases have been notified during the year, including the following :—

Scarlet Fever	...	32
Diphtheria	...	36
Erysipelas	...	9
Typhoid Fever	...	9
Puerperal Fever	...	3

This is 2 less than last year, which was previously the lowest on record.

The following table shows the number of cases notified each year since the formation of the Urban District :—

	Small-pox	Diphtheria	Erysipelas	Scarlet Fever	Typhoid Fever	Puerperal Fever	TOTAL
1904	1	37	15	105	8	2	168
1905	—	44	17	120	11	1	193
1906	—	66	21	174	16	—	277
1907	—	31	24	88	5	2	150
1908	—	30	6	43	10	2	91
1909	—	36	9	32	9	3	89

The usual method of dealing with these cases has been carried out throughout the year.

The houses are visited, enquiries made and noted on printed forms, and instructions as to isolation given. Removal to the Bradwell Sanatorium is urged where possible.

The sanitary condition of the premises is carefully inquired into and inspected, and any defects found, remedied.

Every infected house is disinfected, either on removal of the case, or at the expiration of the period of infection as certified by the Medical Practitioner in charge.

Disinfectants are supplied throughout the illness, where the cases are treated at home.

Bradwell Sanatorium.

The Bradwell Sanatorium has continued this year to have quite sufficient accommodation to meet the needs of the district.

In addition to this district, cases are also received from Kidsgrove, a portion of the Smallthorne District, and the Rural District of Newcastle.

The number of available beds and cots is 35, including 17 Scarlet Fever, 10 Diphtheria and 8 Typhoid Fever.

52 cases have been removed from this district during the year, including 22 of Scarlet Fever, 23 of Diphtheria and 7 of Typhoid Fever.

The following is the percentage of cases removed each year :—

1904	...	37 per cent
1905	...	35 ,,
1906	...	47 ,,
1907	...	66 ,,
1908	...	44 ,,
1909	...	67 ,,

No deaths occurred from this district during the year. There were 5 deaths among cases brought in from outside the district, including 1 of Scarlet Fever, 3 of Diphtheria and 1 of Typhoid Fever.

None of the necessary improvements mentioned in my last report have yet been undertaken, owing to the amount of compensation payable by Tunstall not yet having been settled. I understand however that proceedings have been taken by the Joint Hospital Board, to bring this matter to a conclusion, so that a settlement may be expected at an early date, after which I trust it will not be long before the Bradwell Sanatorium is put into a more satisfactory and up-to-date condition.

Cases of Infectious Diseases notified during the Year 1908.

NOTIFIABLE DISEASE	Cases notified in whole District.							Total Cases notified in each locality			No. of Cases removed to Hospital from each locality.			Total cases removed to Hospital.
	At all Ages	At Ages—Years.												
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and upwards	Wolstanton	Silverdale	Chesterton	Wolstanton	Silverdale	(H) Chesterton	
Diphtheria (including Membranous Croup)	36	1	10	15	5	5		21	5	10	13	2	8	23
Erysipelas	9		1		1	7		4		5				
Scarlet Fever	32		8	21	3			18	5	9	15	1	6	22
Enteric Fever	9			4	1	4			7	2		5	2	7
Puerperal Fever	3				1	2		1	2					
Total ..	89	1	19	40	11	18		44	19	26	28	8	16	52

Isolation Hospital—Bradwell Sanatorium, Chesterton. Total available beds 35. No. of Diseases that can be concurrently treated 3.

Small-pox.

No cases of Small-pox have occurred in the district during the year.

Enteric or Typhoid Fever.

9 cases have been notified during the year, of which 7 were in Silverdale, and 2 in Chesterton.

7 of these were removed to the Bradwell Sanatorium.

Among these cases there was 1 death, giving a death-rate per 1,000 living of 0.03.

1 death occurred at the Bradwell Sanatorium in a case from outside the district.

7 houses were infected.

Scarlet Fever.

There have been 32 cases of Scarlet Fever during the year, this being the lowest number on record. The following table shows the distribution throughout the different parts of the district during the year :—

	Wolstanton	Silverdale	Chesterton	TOTAL
January	—	2	—	2
February	3	1	1	5
March	1	—	1	2
April	—	—	1	1
May..	3	—	2	5
June	—	1	1	2
July..	1	—	—	1
August	—	—	—	—
September	—	—	1	1
October	2	—	—	2
November	4	1	2	7
December	4	—	—	4
Total ..	18	5	9	32

The disease throughout the year has been mild in character, and no deaths have occurred.

1 death occurred at the Bradwell Sanatorium in a case from outside the District.

22 cases—68 per cent. were removed to the Bradwell Sanatorium. This is 17 per cent. more than were removed last year.

30 houses were infected.

Diphtheria.

36 cases of Diphtheria have been notified during the year. As in previous years, this disease has been more prevalent in Wolstanton than in the other parts of the district.

The following table shows the distribution throughout the different parts of the district during the year :—

	Wolstanton	Silverdale	Chesterton	TOTAL
January	7	—	—	7
February	1	1	—	2
March	1	1	2	4
April	2	—	1	3
May..	2	1	1	4
June	2	—	—	2
July..	—	—	1	1
August	—	—	—	—
September	3	2	2	7
October	—	—	1	1
November	3	—	1	4
December	—	—	1	1
Total ..	21	5	10	36

Amongst these cases 1 death occurred, giving a death-rate per 1,000 living of 0.03.

3 deaths occurred at the Bradwell Sanatorium in cases from outside the district.

23 cases—63 per cent. were removed to the Bradwell Sanatorium. This is more than double the percentage of cases removed last year, which was 32 per cent.

32 houses were infected.

Antitoxin is supplied by the Council for use in necessitous cases.

Measles.

Measles has been very prevalent throughout the district during the year. Starting in Wolstanton in July and August, it appeared in Chesterton during September and October, and in Silverdale and Cross Heath during November and December.

Many of the Schools have been closed from this cause, as will be found enumerated below.

26 deaths have occurred, mostly from the lung complications which so frequently follow this disease, especially in very young children, 24 of these being under 5 years of age.

8 of these deaths were in Wolstanton, 10 in Silverdale, and 8 in Chesterton.

Closure of Schools.

The following Schools have been closed during the year on account of the epidemic of Measles :—

Wolstanton. Wolstanton Council School, Ellison Street, (Infant Department), from July 23rd until after the summer holidays.

Chesterton. Red Street Church of England School, and the Infant Departments of the Chesterton Church of England and Chesterton Council Schools, from September 20th until October 15th.

Chesterton Church of England School, Girls' Department, and the Broadmeadow Council School, Chesterton, from October 1st until October 15th.

All the Chesterton Schools from October 18th until October 29th.

Silverdale. Cross Heath Church of England School, from November 4th until after the Christmas holidays.

The Infant Departments of the Silverdale Church of England, and Silverdale Council Schools, from December 10th until after the Christmas holidays.

The Infant Department of the Knutton National Schools from December 16th until after the Christmas holidays.

Whooping Cough.

Whooping Cough has been very prevalent during the summer months especially in the Wolstanton portion of the District.

There were 3 deaths from this cause during the year, all in Wolstanton.

Ophthalmia Neonatorum.

The permission of the Local Government Board having been obtained, the disease known as Ophthalmia Neonatorum, (inflammation of the eyes in children under two weeks old), has been added to the list of notifiable diseases, for a period of twelve calendar months from Nov. 15th. Notices to this effect were sent to all medical practitioners in the district. Up to the end of the year no notifications of this disease had been received.

The object of this measure is to endeavour to prevent the permanent blindness which so frequently results from this disease when neglected, by ensuring that all cases are under medical treatment and supervision.

It has been estimated that as many as 40 per cent. of cases of total blindness are due to this cause, and could have been prevented by energetic and prompt treatment at the commencement.

Constitutional Diseases.

There were 44 deaths under this head, viz. :—

Phthisis	12
Other Tuberculous Diseases	10
Cancer	22

Compared with last year, there are 5 cases less of Phthisis and Tuberculous Diseases, and 9 cases more of Cancer.

Phthisis. The death-rate from Phthisis was 0 402 per 1,000. This is the lowest yet recorded.

9 of the deaths were in Wolstanton, 1 in Silverdale and 2 in Chesterton.

Under the Public Health (Tuberculosis) Regulations 1908, all District Medical Officers are required to notify cases of Pulmonary Tuberculosis.

3 notifications have been received during the year, 2 in Wolstanton and 1 in Chesterton.

1 of these cases has since died.

These cases have been visited, and printed forms distributed, containing precautions to be observed by persons suffering from Phthisis.

SANITARY WORK.

The district has been thoroughly and systematically inspected, and altogether over 8,000 visits have been made, including special visits to Cowsheds, Slaughter-houses and Workshops, as enumerated below.

668 nuisances and defects have been found as enumerated on the accompanying table, most of which have been remedied.

1,700 yards of new drainage pipes have been laid during the year, viz. :—

1,172	yards of	4	inch pipes.
494	,,	6	,,
34	,,	9	,,

Slaughter-houses.

2 slaughter-houses have been closed during the year.

There are at present 18 slaughter-houses and 1 knacker's yard in the district, distributed as follows :

Wolstanton	...	8
Silverdale	...	5
Chesterton	...	6

217 visits of inspection have been made during the year. 3 defects were found, viz. :—1 requiring lime-washing, 1 broken floor, 1 broken and choked drain. All these have been remedied. In the case of the broken drain, the whole of the old drain was taken out, and a new 6 inch drain laid, with an inspection chamber and intercepting trap.

$8\frac{1}{4}$ cwt. of beef was surrendered as unwholesome food, and was destroyed.

Dairies, Cowsheds and Milkshops.

There are 65 cow-keepers on the register, in the district, 40 of which have dairies, and 6 milk-sellers who do not keep cows.

There are distributed as follow :—

Wolstanton	...	25
Silverdale	...	26
Chesterton	...	20

175 visits of inspection have been made during the year.

Defects have been remedied during the year in the following cowsheds :—

Wolstanton. Little Dimsdale Farm, Wolstanton, 2 cowsheds have been lighted and ventilated ; 1 has been pulled down and rebuilt. New drains have been put in throughout, and 2 new pigstyes built. Dimsdale Old Hall Farm, 2 cowsheds have been lighted and ventilated. Highfield Farm, 1 cowshed lighted and ventilated Pitgreen Lane Farm, 1 cowshed lighted and ventilated.

Chesterton. Holditch Farm, 3 cowsheds lighted and ventilated. The Hollow Farm, 1 cowshed lighted and ventilated.

Notices have been served on the owners, for 10 more cowsheds to be lighted and ventilated, 4 to be drained, and 4 to have the lofts raised.

The dairies were all found to be clean.

Water Supply.

The water supply to the district by the Staffordshire Potteries Waterworks Company has been good, and no complaints have been received during the year.

Summary of Sanitary Work done in the Nuisance Inspector's Department during the year 1909, in the Urban District of Wolstanton.

		Number of		Abatement Notices.		Nuisances abated after notice by	
		Inspections & Observations made.	Defects found.	Informal by Inspector.	Formal by Authority.	Inspector.	Authority.
Dwelling-houses and Schools,	Foul Conditions	13	13	13	—	13	—
	Structural Defects	42	42	41	1	41	1
	Overcrowding	7	7	7	—	7	—
	Unfit for Habitation	47	47	—	47	—	17
Lodging-house		—	—	—	—	—	—
Dairies, Milkshops and Cowsheds ..		175	34	32	2	16	—
Bakehouses		57	—	—	—	—	—
Slaughter-houses		217	3	3	—	3	—
Ashpits and Privies		7463	308	298	10	298	10
Deposits of Refuse and Manure ..		4	4	4	—	4	—
Water Closets		203	14	14	—	14	—
House Drainage—	Defective Traps No Disconnection Other faults	182	182	176	6	176	6
Water Supply		—	—	—	—	—	—
Pigsties		112	4	2	2	2	—
Animals improperly kept		—	—	—	—	—	—
Offensive Trades		—	—	—	—	—	—
Smoke Nuisances		—	—	—	—	—	—
Other Nuisances		18	10	10		10	—
Totals ..		8532	668	600	68	584	34

Unwholesome Food—8¼ cwts. of Beef surrendered.

Precautions against Infectious Disease.

Lots of Infected Bedding Disinfected or Destroyed .. 13
Houses Disinfected after Infectious Disease 71

W. SIMCOCK, Sanitary Inspector.

Factory and Workshops Act, 1901.

The total number of Factories and Workshops at present on the Register is 102. These include 6 Factories and 96 Workshops.

The Factories are :—

2 Laundries.
1 Earthenware Works.
1 Cotton Factory.
1 Bone Works.
1 Mineral Water Works.

The Workshops include :—

25 Dressmakers and Milliners.
21 Bakehouses.
17 Joiners and Builders.
2 Cabinet Makers.
6 Blacksmiths.
3 Saddlers.
14 Boot Repairers.
3 Tailors.
1 Knitting Shop.
1 Metal Caster.
1 Engraver.
1 Tinsmith.
1 Manufacturer of Post Cards.

138 visits of inspection have been made during the year, and the following defects were found :—

4 insufficient privy accommodation. These have been remedied. 2 workshops have had new privies built, and 2 water-closets have been put in at the Mineral Water Works.

Scavenging.

The Scavenging of the district has been carried out as before, by several contractors, the district being divided for this purpose into 12 portions.

Mr. Bentley of Wolstanton, was appointed at the beginning of the year to superintend this work, with the result that fewer complaints have been received than in former years.

The number of loads of ashes and night-soil removed during the year, and the cost per load are as follows :—

Wolstanton ...	4,982	loads at	£506	or	2/0⅜	per load.
Silverdale ...	2,830	,,	£290	,,	2/0 19/32	,,
Chesterton ...	3,863	,,	£308	,,	1/7⅛	,,
Knutton ...	1,610	,,	£131	,,	1/8 9/16	,,
Longbridge Hayes	694	,,	£56	,,	1/7⅜	,,

Number and Type of Privies in District.

WATER-CLOSETS :—

	Wolstanton	Silverdale	Chesterton
Water-Closets ...	696	70	49
Hand flushed Water-Closets	203	92	12
Slop Water-Closetf ...	292	31	32
	1191	191	93

PRIVIES REQUIRING EMPTYING :—

Rochdale Pans ...	95	328	116
Earthenware Pans ...	719	497	729
Cess-Pools	634	554	444
	1448	1379	1289

25 privy cesspools have been converted into water-closets, and 85 into earthenware pans during the year.

Ash-Pits.

Thn following are the number of receptacles for ashes in the district :—

		Wolstanton	Silverdale	Chesterton
Ash Pits	...	1770	829	745
Ash Bins	...	647	35	231
		2417	864	976

Sewage, &c.

The Sewage Disposal of the district remains the same as in previous years.

The following particulars have been furnished by the Surveyor—Mr. W. F. Slater :—

Further improvements have been made at the Holditch Sewage Farm.

A Contract has been entered into for the Basford sewerage and sewage outfall works ; a considerable portion of the excavations at the outfall has been done, and 450 yards of low level main laid.

I have the honour to be, Gentlemen,

Your obedient servant,

W. E. L. HORNER.

February 21st, 1910.